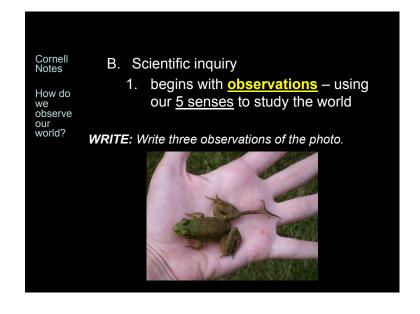
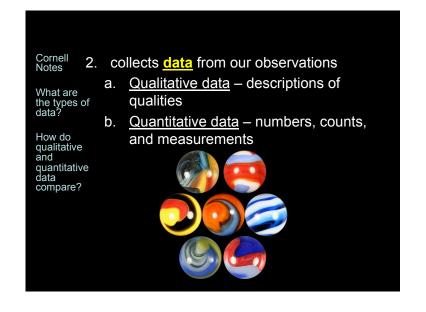
## Cornell Notes 1.3 Scientific Thinking and Processes What is inquiry? What is the goal of science? A. The goal of science is to... 1. investigate and understand 2. explain events 3. and make useful predictions ...about the natural world.







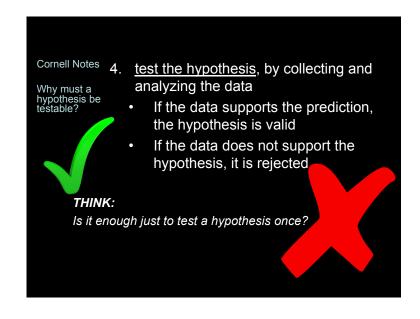
Cornell Notes 3.

What is a hypothesis?

What makes a good hypothesis?

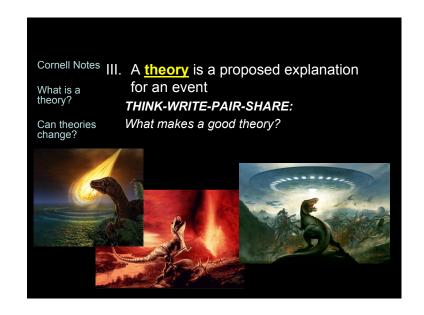
What makes a bad hypothesis?

What makes a bad hypothesis?



Cornell Notes ||. Biologist use experiments to test hypotheses What makes a good experiment? A. All experiments have: 1. Independent variable -What is an independent variable? manipulated or changed 2. Dependent variable - changes What is a in response to independent dependent variable? variable 3. Constant – the conditions that What is a constant? do not change in the experiment





Cornell Note

SO..... Which of these situations can be investigated by science and what questions might you ask to help you further understand the situation?

- 1. Your computer will not turn on.
- 2. Vanilla ice cream is better than chocolate.
- 3. Science is hard.
- 4. Humans and chimpanzees evolved from a common ancestor.
- 5. What happens when we die?

Can science be used to answer all questions?
Science IS NOT used to answer all questions, particularly about issues like morals, ethics and opinions.